
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (CURRENTLY AMENDED) A vehicle comprises a coolant system that includes a radiator for said vehicle, and a fuel cell power system unconnected to said coolant system, said fuel cell power system being mounted on said vehicle for providing electrical power, heat and water to said vehicle, ~~said vehicle~~ and comprising a hydrogen-powered fuel cell mounted on said vehicle, a fuel cell processor connected to said fuel cell, and a reformer in said fuel processor, said fuel processor and said reformer producing substantially pure hydrogen from propane, a system for delivering relatively pure hydrogen to said fuel cell, a path from said fuel cell for delivering electrical power to said vehicle, a path from said fuel cell for delivering water to said vehicle, and a path from said fuel cell for delivering heat to said vehicle.

2. (CANCELED)

3. (ORIGINAL) The vehicle of claim 1 further comprising outlets for delivering heated air derived from said fuel cell to areas alongside said vehicle.

4. (ORIGINAL) The vehicle of claim 1 further comprising heat exchanger means for extracting heat from the heat output of said fuel cell, and for entraining said heat in air for delivery to said vehicle.

5. (CURRENTLY AMENDED) The vehicle of claim 1 further comprising a separator linked to the water outlet of said fuel cell for extracting water from ~~the~~ an air-water mixture from said fuel cell.

6. (CANCELED)

7. (CURRENTLY AMENDED) The vehicle of claim 1 ~~further comprising a fuel processor, and a reformer in said fuel processor, said vehicle~~ further including a heat exchanger that extracts heat from said fuel processor, and then delivers said heat through appropriate paths to desired areas of said vehicle.

8. (CURRENTLY AMENDED) The vehicle of claim 1 further comprising storage for ~~relatively~~ substantially pure hydrogen mounted on said vehicle, said storage being linked to said fuel cell for delivery of ~~relatively~~ substantially pure hydrogen to said fuel cell.

9. (ORIGINAL) The vehicle of claim 1 wherein said fuel cell is a direct-fuel fuel cell, and wherein said vehicle includes a storage system for said direct-fuel mounted on said vehicle.

10. (ORIGINAL) The vehicle of claim 1 further comprising a storage facility for storing liquefied propane aboard said vehicle.

11. (CURRENTLY AMENDED) The vehicle of claim 1 ~~further comprising a fuel processor,~~ said fuel processor ~~generating~~ generates heat and rejected flammable gases.

12. (ORIGINAL) The vehicle of claim 11 wherein said fuel processor further comprises a hydrogen purifier.

13. (CANCELED)

14. (CURRENTLY AMENDED) The vehicle of ~~claim 13~~ claim 12 further comprising a gas accumulation reservoir that receives rejected flammable gases from said hydrogen purifier, and rejected hydrogen and other flammable gases from said fuel cell, for use in a burner device for producing heat.

15. (CURRENTLY AMENDED) The vehicle of claim 1 further comprising fuel cell electronics ~~and balance-of-plant~~ for said fuel cell.

16. (ORIGINAL) The vehicle of claim 1 further comprising a path from said fuel cell to a converter for changing the voltage, amperage, or both, of electrical power from said fuel cell, and from said converter, a path to power-consuming means within or outside of said vehicle.

17. (CURRENTLY AMENDED) The vehicle of claim 1 further comprising a fuel cell selected from the group consisting of polymer electrolyte membrane, phosphoric acid, alkaline, solid oxides, and molten carbonate fuel cells, ~~or, alternatively, absent a fuel processor, further comprising a source of relatively pure hydrogen, metal hydrides, or a nanotube storage system.~~

18. (ORIGINAL) The vehicle of claim 1 further comprising a heat exchange system that delivers heat to an absorption refrigeration system or to an absorption cooling system.

19. (ORIGINAL) The vehicle of claim 1 further comprising systems for delivering flammable fuels from hydrogen purifiers, fuel cell stacks, or both, and for delivering mixtures of rejected flammable fuels from purifiers, fuel cell stacks, or both, to a burner in an absorption refrigeration system or in an absorption cooling system.

20. (CANCELED)

21. (CANCELED)

22. (CANCELED)

23. (CANCELED)

24. (CANCELED)

25. (ORIGINAL) The vehicle of claim 11 wherein said fuel processor comprises a reformer of a desired geometrical shape.

26. (ORIGINAL) The vehicle of claim 11 wherein said fuel processor comprises a hydrogen purifier of a desired geometrical shape.

27. (ORIGINAL) The vehicle of claim 25 or claim 26 wherein said shape is selected from the group consisting of tubular, flat, round, elliptical, and rectangular shapes.

28. (ORIGINAL) The vehicle of claim 26 wherein said hydrogen purifier comprises a membrane of desired geometrical shape.

29. (ORIGINAL) The vehicle of claim 26 wherein said hydrogen purifier comprises a support member and a membrane sealed to said support member.

30. (ORIGINAL) The vehicle of claim 29 wherein said support member comprises perforated surfaces, porous materials, or both.

31. (ORIGINAL) The vehicle of claim 26 wherein said hydrogen purifier further comprises a purification system selected from the group consisting of a Pressure Swing Adsorption system, a Pressure Swing Temperature system, Preferential Oxidation system, and a Chemical Absorption system.

32. (ORIGINAL) The vehicle of claim 1 wherein said vehicle is selected from the group consisting of a recreational vehicle, a marine vehicle, and a truck.

33. (CANCELED)